

# MATERIAL SAFETY DATA SHEET

MSDS

DATE: 02/02/94

MSDS #: 554372

NEW [X]

REVISED []

PURSELL INDUSTRIES, INC.

P.O. Box 540

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EMERGENCY PHONE NUMBERS:

PURSELL: 1-800-633-6560

CHEMTREC: 1-800-424-9300

## SECTION - I - PRODUCT INFORMATION

PRODUCT NAME: **VERTAGREEN® BAHIA WEED AND FEED 24-6-12**

PRODUCT NUMBER: 554372

CHEMICAL NAME: \*TRIMEC® Herbicide, Polymer-coated Sulfur-coated Urea, Urea, Ammoniated Phosphates, Potassium Chloride, Iron Sucrate, Manganese Oxide: (Blended)

CHEMICAL CLASS: Chlorophenoxy Herbicide /Fertilizer Compound

EPA REGISTRATION NUMBER: 2217-603-8660

EPA ESTABLISHMENT NUMBER: 8660-AL-1

NFPA RATING: Health - 1 Flammability - 1 Reactivity - 0 Special - None

NFPA CODES: 0=Least 1=Slight 2=Moderate 3=High 4=Extreme

\*TRIMEC® is a registered trademark of PBI/GORDON CORPORATION

## SECTION - II - INGREDIENT INFORMATION

ACTIVE INGREDIENT	CAS NUMBER	PEL	TLV	OTHER	% BY WEIGHT
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	0.165
2-(2-Methyl-4-chlorophenoxy)propionic acid (MCPP)	93-65-2	NI	NI	NI	0.576
3,6-Dichloro-o-anisic acid (Dicamba)	1918-00-9	NI	NI	NI	0.071
Dimethylamine	124-40-3	10 ppm	5 ppm	NI	0.167
INERT INGREDIENTS					99.021

## SECTION - III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: NA

Bulk Density: 52 - 56 lbs/ft<sup>3</sup>

Vapor Pressure (mmHg): NA

Melting Point: NA

Vapor Density (Air =1): NA

Evaporation Rate(Butyl Acetate=1): NA

Solubility in Water: Fertilizer chemicals are water soluble. Polyurethane coating is water insoluble.

Appearance and Odor: Green, brown, beige, orange, white and/or yellow fertilizer granules. Slight phenoxy and/or fertilizer salt odor.

## SECTION - IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NI

Flammable Limits: LEL: NI UEL: NI

Extinguishing Media: Water spray, foam, dry chemical, CO<sub>2</sub>, sand, or fine earth. Material is essentially non-flammable.

Special Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus. Short term exposure to smoke, fumes, and gases can lead to irreversible lung injury without early signs and symptoms. Use extinguishing media suitable for the surrounding fire.

Unusual Fire and Explosion Hazards: The use of high speed bucket elevators, contact paddle blenders, drag lines, augers, or other rough or abusive handling or application equipment can break or abrade the sulfur coating creating sulfur dust. Sulfur dust forms an explosive mixture in air at concentrations between 35 g/m<sup>3</sup> and 1400 g/m<sup>3</sup>. Burning product may produce irritating or poisonous gases. Run-off from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

## SECTION - V - REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to avoid): Acidic materials may ruin product.

Hazardous Decomposition or Byproducts: Cyanuric acid, ammonia, biuret, hydrogen cyanide, sulfur oxides, chlorine gas and nitrogen oxides. N-Nirosamines may be formed if product comes in contact with nitrous acid, nitrates, or high levels of NO<sub>x</sub> in the air.

Hazardous Polymerization: Will not occur.

## SECTION - VI - HEALTH HAZARD DATA

## ACUTE AND CHRONIC HEALTH HAZARDS / EMERGENCY AND FIRST AID PROCEDURES

SARA Hazard category: Immediate and Delayed health hazard.

Route(s) of entry: Inhalation, Contact, Ingestion.

Eyes: May cause corneal irritation. If eye contact occurs, flush eyes with running water for 15 minutes.

Skin: May cause moderate irritation. Remove contaminated clothing. Wash with soap and water.

Inhalation: May cause moderate irritation to the nose, throat, and lungs. If prolonged inhalation of dust occurs, remove to fresh air.

Ingestion: May irritate gastrointestinal tract. Call a physician or the Poison Control Center @ (202)625-3333 for assistance.

Signs and Symptoms of Exposure: Burning sensation; coughing. Irritation to eyes, skin, or respiratory tract.

Other Health Warnings: Notes to physicians: Treat symptomatically. Chlorophenoxy compounds are usually excreted in approximately 72 hours.

### SECTION - VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Storage: Store in original container in a cool, dry, locked area. Keep out of reach of children and domestic animals. Store separately from food, feed, fertilizers, seeds, and other pesticides so that cross contamination does not occur.

Procedures in case of spill or release: Do not touch spilled product. Wear protective clothing; chemical resistant gloves and shoes, safety glasses or goggles. Use NIOSH/MSHA approved respirator if dust limits may be exceeded. If material is uncontaminated, collect, label containers, and reuse as directed on label. Flush contaminated area with water if possible. Empty containers may be triple rinsed and offered for recycling.

Waste Disposal Method: If uncontaminated, use as directed on the label. If contaminated, dispose of in accordance with all Federal, State, and Local laws. Pesticide wastes are toxic. Do not contaminate water supplies.

Other Precautions: Washing facilities should be available.

### SECTION - VIII - CONTROL MEASURES

Ventilation Requirements: Good local ventilation is required. Mechanical exhaust may be required if product is applied in an enclosed area. Applicators should stand up wind.

#### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: A NIOSH/MSHA approved respirator(#TC-21C) should be used if exposure limits may be exceeded.

Protective Clothing: Long sleeves and pants; chemical resistant gloves and shoes should be worn.

Eye Protection: Safety glasses with side shields or safety goggles are recommended.

### SECTION - IX - ADDITIONAL INFORMATION

Pesticide wastes are toxic. Do not contaminate water supplies with rinsate from equipment cleaning or spill clean-up. Improper disposal of excess pesticide is a violation of Federal Law. Dispose of wastes according to Federal, State, and Local laws. Do not apply directly to water. Do not apply when this product may drift from the target area.

### SECTION - X- SARA TITLE III REQUIREMENTS

TSCA Status: Exempt.

Section 313 Toxic Chemicals: Yes (2,4-D)

Section 302 EHS: No      Section 304 CERCLA : Yes

SARA Hazard Category: Immediate and Delayed Health Hazard

Section 311/312 Hazardous Substance: Yes

Carcinogenic Compound(s) (IARC/NTP/OSHA/ACGIH): None

#### OTHER PRECAUTIONS AND COMMENTS

The information in this Material Safety Data Sheet is believed to accurately reflect the scientific evidence used in making the hazard determination. It is considered only as a guide, and not a warranty or representation for which we assume legal responsibility. Independent decisions must be made on the suitability and use of this product dependent on variable storage conditions or locally applicable laws or government regulations. The buyer and user assumes all risk and liability of storage, handling, and use of this product not in accordance with the terms of the product label.

PURSELL INDUSTRIES, INC.

NI=NONE INDICATED

Contact: Safety Manager

NA=NOT APPLICABLE

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